ETC Installation and Operation

The Entire Transaction Propagator Interface for CICS (product code: ETC) is a separate Software AG Selectable Unit to support the operation of the Entire Transaction Propagator (product code: ETP) for 3GL programs running in a CICS/ESA or CICS/VSE environment. ETC is **not** needed when running Natural application programs alone with CICS. ETC is provided in your installation library only if the ETC selectable unit has been ordered for your site.
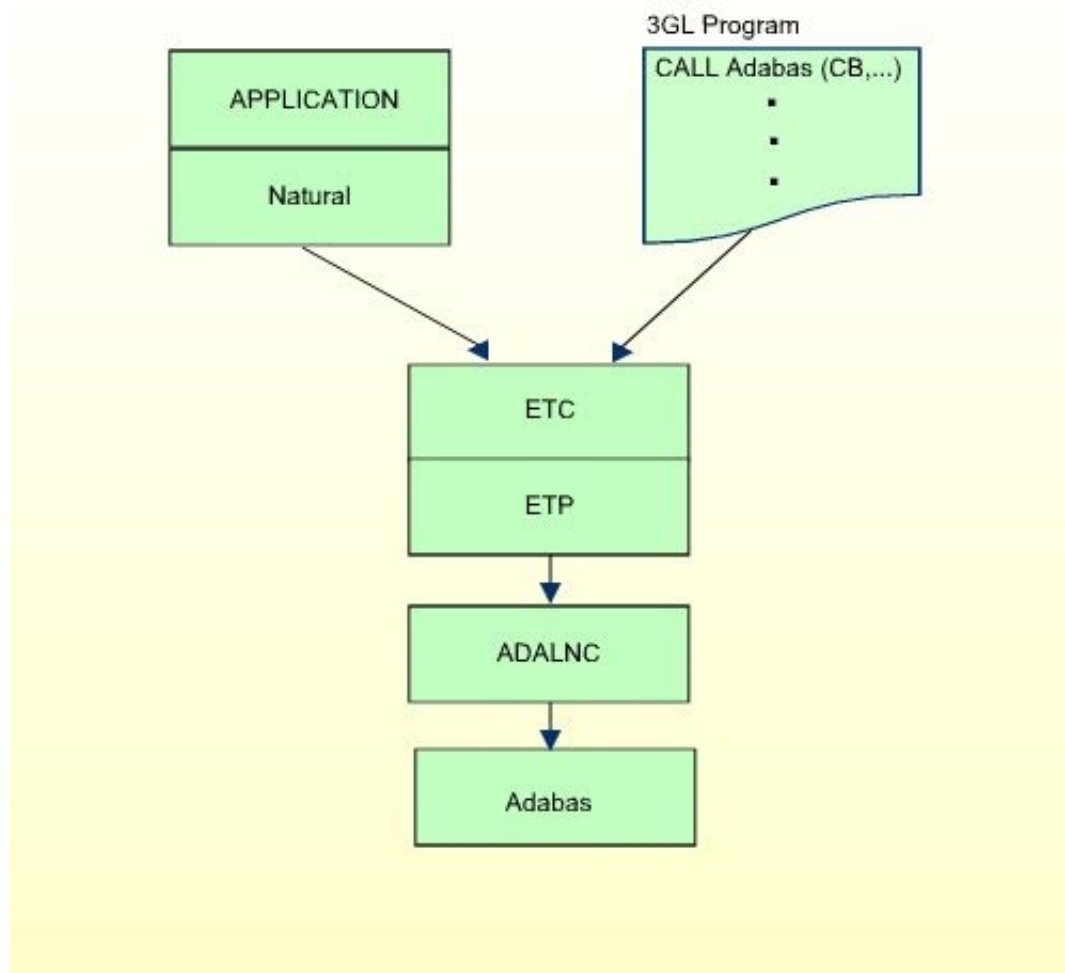
The following topics are covered:

- Overview on ETC Operation
- Prerequisite Requirements and ETC Release Contents
- General Information on ETC Installation

For a description of the ETC ABEND codes that can occur when ETC is active, refer to ETP Abend Codes (in the Natural Messages and Codes documentation).

Overview on ETC Operation

The figure below shows how 3GL user application programs, Natural and ETC/ETP work together to use ETP services for logging Adabas database transactions.

ETP Interface for CICS (ETC)

Prerequisite Requirements and ETC Release Contents

This section describes the operating system and companion software needed to run ETC, and describes the modules contained on the ETC release (distribution) tape.

Operating System and Software Requirements

ETP Version 1.5.2 and a CICS installation is required to install ETC. The prerequisite versions of

- OS/390 and CICS/ESA;
- or VSE/ESA and CICS/VSE;
- other Software AG products

are listed in the current Natural Release Notes for Mainframes.

ETC Distribution Tape

The ETC distribution tape contains the following datasets:

Dataset Name:	Description:
ETC*nnn*.LIBR	On VSE/ESA system tapes only. VSE/ESA LIBR backup format of the ETC product sub-library. This sub-library also contains the assembler macro ETCPARM for parameter module generation and an example for calling the ETCPARM macro.
ETC*nnn*.LOAD	On OS/390 system tapes only. OS/390 load library.
ETC*nnn*.SRCE	On OS/390 system tapes only. Assembler macro ETCPARM for parameter module generation and an example for calling the ETCPARM macro.

- where *nnn* is the respective ETC version/release/SM. For more information, see the **Report of Tape Creation** delivered with the distribution tape.

General Information on ETC Installation

This document describes how to install ETC. The headings in each section are keyed to the corresponding job and step numbers of Software AG's System Maintenance Aid (SMA)-generated installation. This information is shown in brackets.

The Entire Transaction Propagator Interface for CICS (ETC) provides the functionality for Natural as well as 3GL applications running with ETP in a CICS environment. When running only Natural with ETP and CICS, however, only ETP is required.

When running ETC, the following restrictions apply;

- No changes can be made to the database ID or file number in the Adabas Control Block by Adabas or ADALNC user exits;
- You cannot specify a database as an ETP database in the Natural NATPARM file using the NTDB macro or dynamically at Natural startup; Natural calls to the Adabas database are also trapped by ETC, which can cause unpredictable results when processed twice by ETP.
- ETC may be linked with any combination of RMODE and AMODE values. You must not link ETC as a reentrant module.
- IPC message calls (X'48' calls) are not supported, hence Natural or 3GL applications running with ETC cannot run in a SYSPLEX environment. ETC processes user calls correctly if the Natural profile parameter ADAMODE=0 or ADAMODE=3 has been specified. CICS Plex support is limited to a single OS/390 image.

If the Adabas Bridge for VSAM is installed, AVBUSER MODE=ET should be specified.

Proceed with "ETC Installation Procedure".